

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021425\
 Data File : VY021198.D
 Acq On : 14 Feb 2025 09:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 14 22:13:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.720	168	126809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	191284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	164488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	81952	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.073	65	60937	46.901	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.800%
35) Dibromofluoromethane	7.646	113	60122	49.044	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.080%
50) Toluene-d8	10.115	98	228160	48.888	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.780%
62) 4-Bromofluorobenzene	12.414	95	75800	49.715	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.440%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.873	85	58064	51.374	ug/l	94
3) Chloromethane	2.080	50	56175	50.369	ug/l	98
4) Vinyl Chloride	2.214	62	58543	52.151	ug/l	98
5) Bromomethane	2.611	94	34695	50.006	ug/l	91
6) Chloroethane	2.745	64	35619	53.303	ug/l	94
7) Trichlorofluoromethane	3.074	101	105895	51.779	ug/l	99
8) Diethyl Ether	3.464	74	30548	47.848	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.830	101	67076	52.258	ug/l	95
10) Methyl Iodide	4.019	142	73793	51.749	ug/l	91
11) Tert butyl alcohol	4.879	59	17227	195.661	ug/l	99
12) 1,1-Dichloroethene	3.812	96	60813	50.296	ug/l	92
13) Acrolein	3.665	56	18702	137.942	ug/l	98
14) Allyl chloride	4.397	41	107502	52.755	ug/l	94
15) Acrylonitrile	5.080	53	64615	243.044	ug/l	99
16) Acetone	3.885	43	57124	281.931	ug/l	96
17) Carbon Disulfide	4.123	76	182662	48.178	ug/l	99
18) Methyl Acetate	4.397	43	35380	49.742	ug/l	96
19) Methyl tert-butyl Ether	5.135	73	151545	49.589	ug/l	99
20) Methylene Chloride	4.635	84	64239	51.000	ug/l	92
21) trans-1,2-Dichloroethene	5.135	96	67688	50.858	ug/l	94
22) Diisopropyl ether	6.031	45	227177	54.087	ug/l	98
23) Vinyl Acetate	5.976	43	598606	255.654	ug/l	98
24) 1,1-Dichloroethane	5.933	63	131735	53.532	ug/l	98
25) 2-Butanone	6.909	43	82691	248.356	ug/l	98
26) 2,2-Dichloropropane	6.903	77	122897	53.973	ug/l	97
27) cis-1,2-Dichloroethene	6.909	96	78796	51.436	ug/l	90
28) Bromochloromethane	7.256	49	52228	53.672	ug/l	100
29) Tetrahydrofuran	7.281	42	53548	237.676	ug/l	93
30) Chloroform	7.433	83	136214	53.889	ug/l	100
31) Cyclohexane	7.713	56	110584	49.901	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	125883	53.566	ug/l	100
36) 1,1-Dichloropropene	7.848	75	98365	54.173	ug/l	98
37) Ethyl Acetate	7.000	43	38662	48.537	ug/l	97
38) Carbon Tetrachloride	7.829	117	115902	54.629	ug/l	99
39) Methylcyclohexane	9.122	83	118479	53.345	ug/l	96
40) Benzene	8.091	78	287395	53.935	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	19698	42.745	ug/l	90
42) 1,2-Dichloroethane	8.171	62	78768	53.288	ug/l	96
43) Isopropyl Acetate	8.207	43	77983	49.270	ug/l #	84
44) Trichloroethene	8.878	130	72308	52.523	ug/l	95
45) 1,2-Dichloropropane	9.152	63	68103	53.848	ug/l	97
46) Dibromomethane	9.244	93	35210	50.282	ug/l	96
47) Bromodichloromethane	9.433	83	101420	54.003	ug/l	98
48) Methyl methacrylate	9.231	41	37255	51.674	ug/l	92
49) 1,4-Dioxane	9.238	88	6314	968.576	ug/l	89
51) 4-Methyl-2-Pentanone	10.006	43	196604	247.016	ug/l	97
52) Toluene	10.182	92	183322	54.792	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	89867	53.291	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	106593	53.386	ug/l #	91
55) 1,1,2-Trichloroethane	10.579	97	46580	51.368	ug/l	96
56) Ethyl methacrylate	10.451	69	59805	49.300	ug/l #	87
57) 1,3-Dichloropropane	10.725	76	81809	52.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	146286	253.477	ug/l	100
59) 2-Hexanone	10.768	43	129980	253.639	ug/l	93
60) Dibromochloromethane	10.920	129	65738	51.622	ug/l	99
61) 1,2-Dibromoethane	11.024	107	41991	49.438	ug/l	99
64) Tetrachloroethene	10.658	164	65797	53.885	ug/l	95
65) Chlorobenzene	11.451	112	194228	53.030	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	69979	53.764	ug/l	98
67) Ethyl Benzene	11.530	91	357878	55.244	ug/l	98
68) m/p-Xylenes	11.640	106	267186	110.249	ug/l	97
69) o-Xylene	11.963	106	125105	55.369	ug/l	97
70) Styrene	11.981	104	208407	55.341	ug/l	97
71) Bromoform	12.139	173	36433	50.288	ug/l #	99
73) Isopropylbenzene	12.261	105	342233	53.460	ug/l	100
74) N-amyl acetate	12.078	43	68462	48.916	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.517	83	50384	47.324	ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	33946m	45.663	ug/l	
77) Bromobenzene	12.542	156	74472	50.412	ug/l	95
78) n-propylbenzene	12.603	91	414749	54.388	ug/l	98
79) 2-Chlorotoluene	12.688	91	230046	52.671	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	278371	53.634	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	16769	46.027	ug/l	92
82) 4-Chlorotoluene	12.786	91	235595	52.943	ug/l	99
83) tert-Butylbenzene	13.005	119	250844	53.171	ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	276342	54.453	ug/l	99
85) sec-Butylbenzene	13.182	105	370770	54.598	ug/l	98
86) p-Isopropyltoluene	13.298	119	310999	55.131	ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	149469	52.401	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	146153	52.039	ug/l	100
89) n-Butylbenzene	13.627	91	288554	56.071	ug/l	99
90) Hexachloroethane	13.889	117	63347	53.829	ug/l	86
91) 1,2-Dichlorobenzene	13.670	146	126527	51.107	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	7606	47.807	ug/l	93
93) 1,2,4-Trichlorobenzene	14.932	180	73157	53.087	ug/l	99
94) Hexachlorobutadiene	15.035	225	50451	55.246	ug/l	99
95) Naphthalene	15.157	128	110337	50.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	59070	51.507	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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